PEO EIS
PEO Enterprise Information Systems

22 Dec 2003

Project Manager,
Transportation Information Systems

TC-AIMS II ASARC

Mr. Robert Morris
Project Manager
Transportation Information Systems

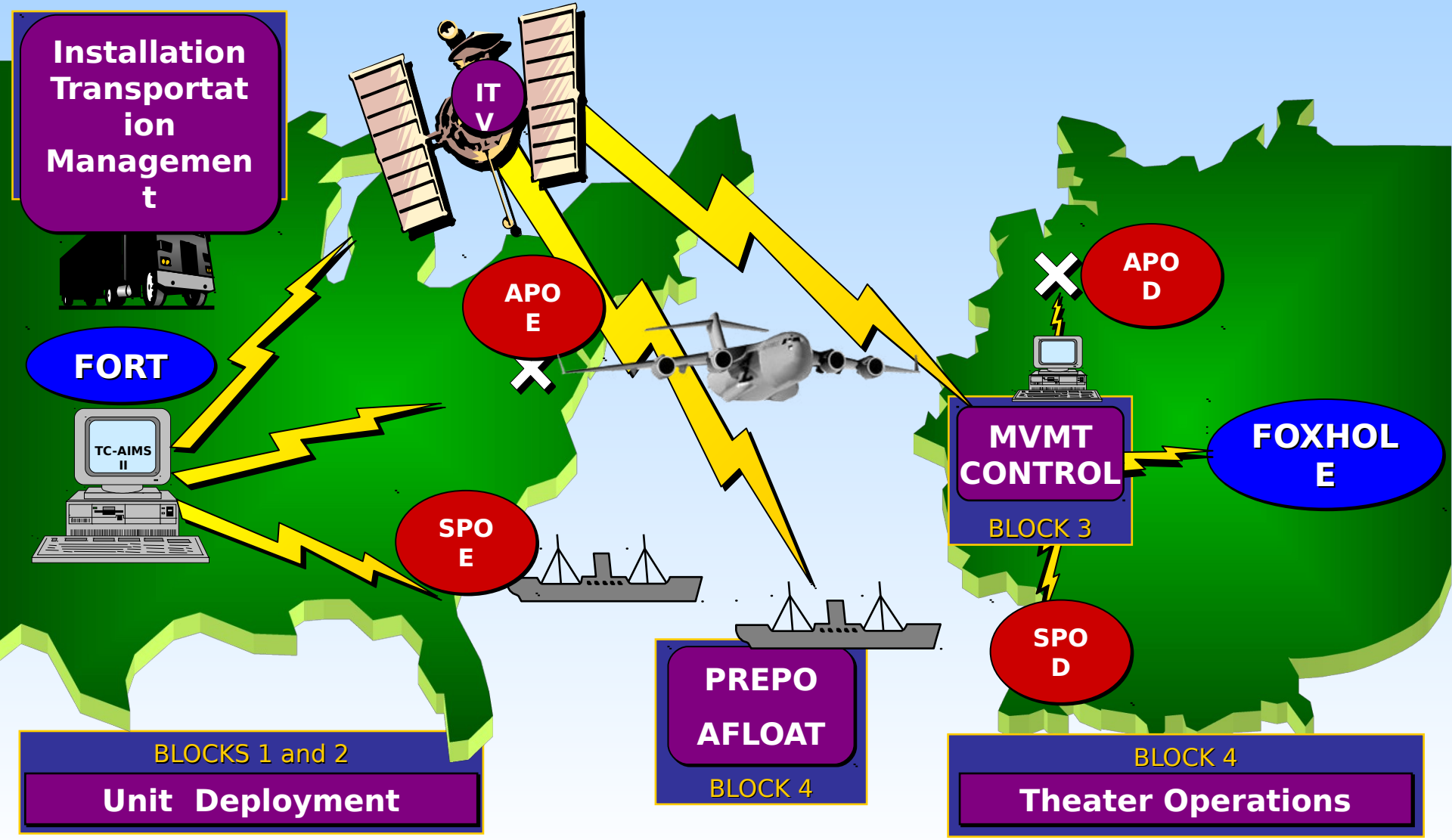
Agenda

➢ Introduction	PEO, EIS
➢ Block 2	
• Program Mission and Need	HQDA, G4
• Developer's Brief	PM, TIS
• ATEC's Position	ATEC
• USA CEAC's Cost Position	USA CEAC
• PA&E's Affordability Position	PA&E
➢ Block 3	
• Program Mission and Need	HQDA, G4
• Developer's Brief	PM, TIS
➢ Summary	PM, TIS

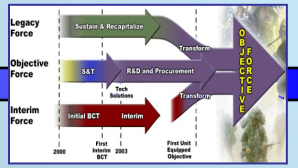
Decisions Requested

- Recommend to ASD(NII) that the MS C for Block 2 be delayed pending a follow-on assessment to validate identified software fixes
- Recommend to ASD(NII) to approve MS B for Block 3
- Recommend the AAE sign the ADM input memo

Operational View

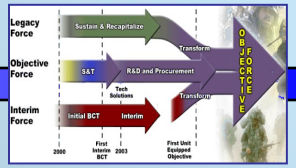


Block 2



Army Needs TC-AIMS II Now

- Provides warfighter a deployable capability that supports intra-theater deployment and redeployment
- Supports Army Transformation with its network-centric enterprise solution
- Reduces hardware investment by hosting multiple applications on a single platform
- Supports the deployment/redeployment of Navy's land-based forces



Block 2 Key Performance Parameters

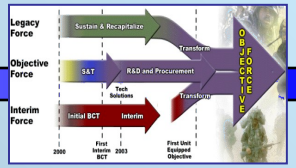
Joint Interoperability

AIT Equipment

Report Generation

Data Automation

ORD revalidated by JROC – March 2003



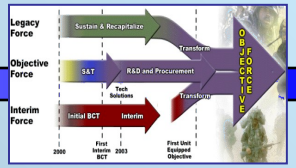
JROC-Approved Interim Solution

TC-AIMS II as the joint force movement data source

- ✓ **ARMY**
- ✓ **NAVY**
- ☐ **MARINES**
- ☐ **AIR FORCE**

TC-AIMS II Block 2:

- Improves on Block 1 capability
- Provides single, joint source for unit deployment data for TPFDD build
- Deployable TPFDD feeder system
- Communications solution independent
- Facilitates JOPES 21
- Web Enabled



User Recommendations

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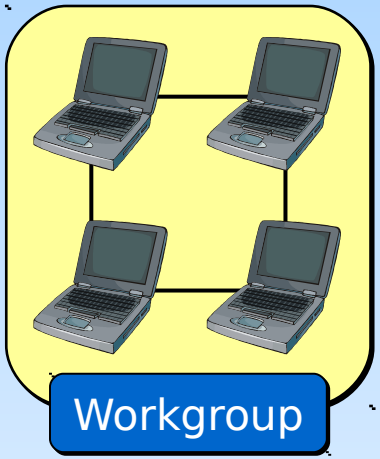
TC-AIMS II Scalable Application (Block 2)

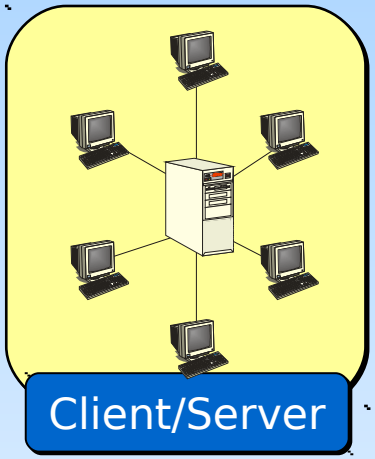
Standalone

- Supports user with limited or no network connectivity
- All TC-AIMS II components are installed on user's machine, including the database and application
- Data can be exported to a flat file and shared with other TC-AIMS II databases



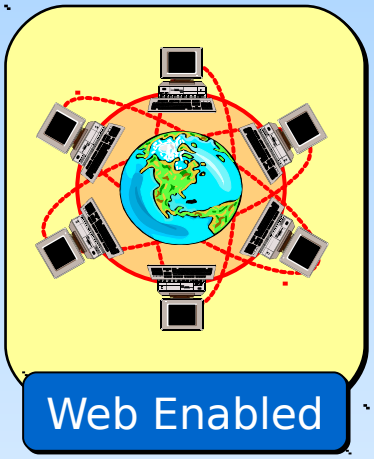
Workgroup

- TC-AIMS II machines connected as a workgroup support client/server or standalone operations
- Any machine with the database can be the server
- Any machine with the application can be a client
- Supports occasional connection to the tactical network for external system communications



Client/Server

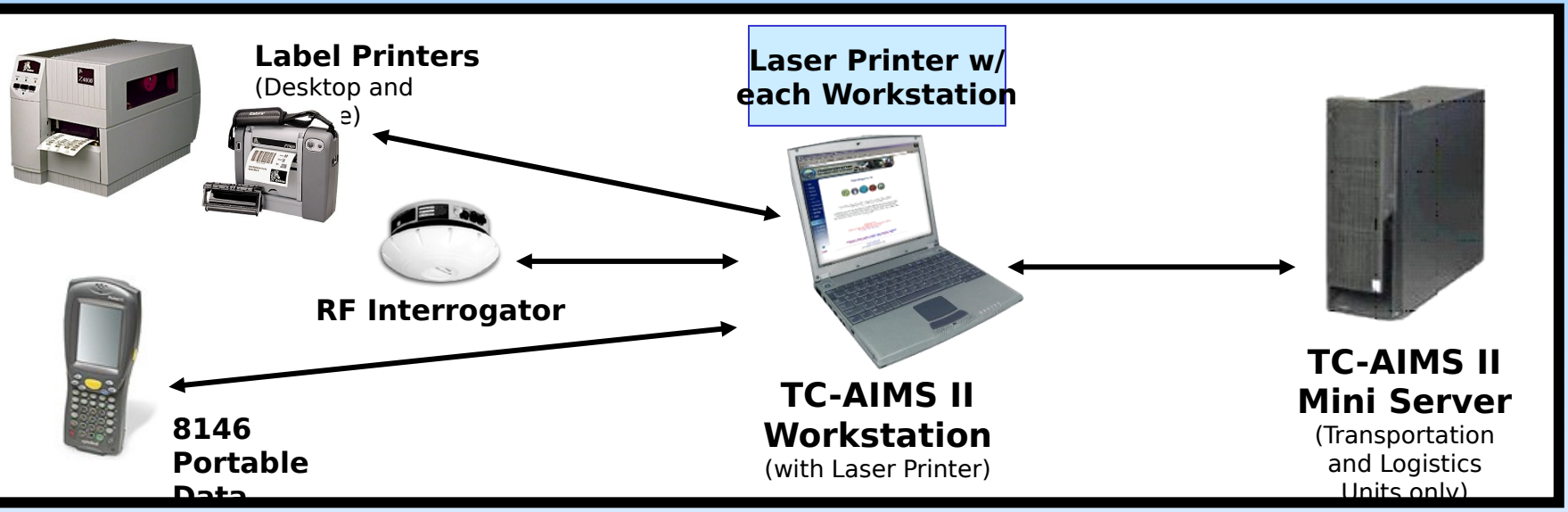
- Supports users with network connectivity
- Each machine on the network is considered a client or a server
- Server machines typically contain only the TC-AIMS II database
- Client machines typically contain only the application and other system components

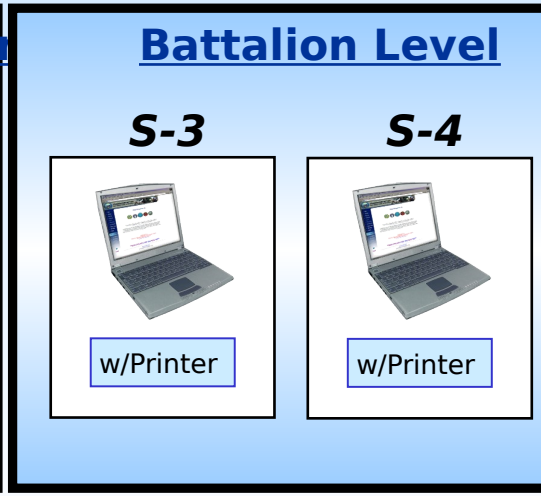


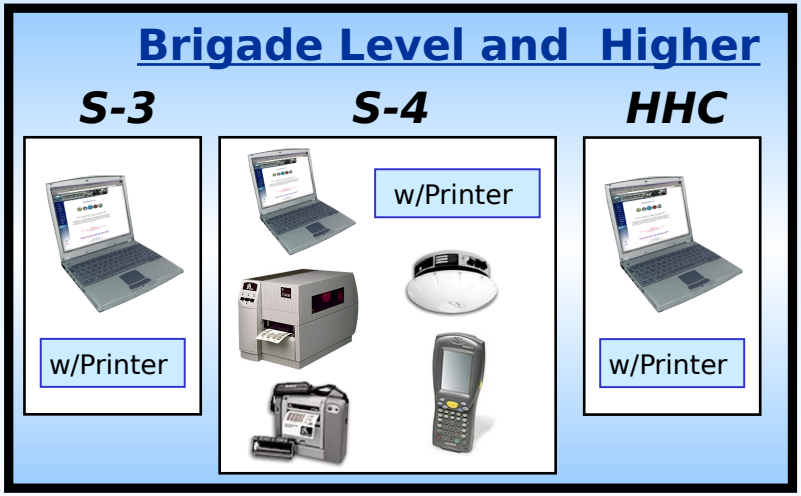
Web Enabled

- Enterprise System
- Co-hosted applications: TC-AIMS II, AALPS, ICODES, TIS-TO and DS2T
- Server consolidation
- Joint Transportation Reference Information Portal (JTRIP) for data services
- Enhanced context sensitive help

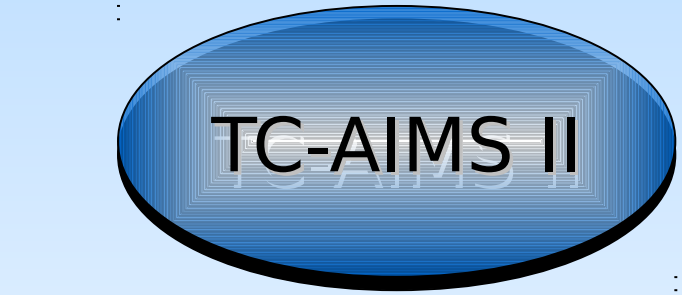
TC-AIMS II Typical Unit Move Hardware Distribution







TC-AIMS II Block 2 Interfaces



MANAGEMENT
- GTN (J)
- ITV Server (A)

LOAD PLANNING
- AALPS (J)
- CAEMS (MC)
- CALM (J)
- ICODES (J)

MATERIAL MANAGEMENT
- ATLASS (MC)
- ROLMS (MC)

UNIT ASSETS
- LOGMOD (AF)
- MDSS II (MC)
- NCFMIS (N)

TRANSPORTATION
- GATES (J)
- CMOS (J)
- IBS (J)
- GFM-HOST (J)
- PowerTrack (J)
- TC ACCIS (A)
- WPS (J)

UNIT PERSONNEL
- eMILPO (A)
- ITAPDB (A)
- MANPER-B (AF)
- SIDPERS III (A)
- UD/MIPS (MC)

PLANNING
- COMPASS (A)
- JFRG II (J)
- MAGTF II (MC)
- SAAM (J)

System Support

- Hardware maintenance
  - User level limited to care and cleaning of equipment
  - Depot level
    - 5 year commercial warranty – repair or replace:
      - » 24 hours CONUS
      - » 72 hours OCONUS
    - 5 year replacement cycle funded
- Software maintenance
  - Periodic maintenance releases
  - Emergency releases if needed
- Help Desk
  - 24 x 7 support
  - 2 tier
    - Direct assistance
    - Developer support

Army Fielding Schedule
(Funded Across POM)

FY02	FY03	FY04	FY05	FY06		FY07
USAREUR	Hawaii	USAREUR	Ft. Hood	Aberdeen PG	Camp Blanding	RTS (APG)
Ft. Lewis	Alaska	Ft. Lewis	Ft. Campbell	Ft. Buchanan	Camp Ripley	RTS (Leonard Wood)
	Korea	Hawaii	Ft. Eustis	Ft. Huachuca	Ft. Gillem	RTS (Ripley)
	Japan	Alaska	Ft. Drum	Ft. Jackson	Ft. Sheridan	
		Korea	Ft. Riley	Ft. Knox	Ft. McCoy (USAR)	
		Japan	Ft. Sill	Ft. Lee	Ft. Carson	
		Ft. Bragg	Ft. Bliss	Ft. Leonard Wood	Ft. Riley	
		Ft. Irwin	Ft. Carson	Ft. Rucker	RTS (Lewis)	
		Ft. Roberts	Ft. Dix	Camp Atterbury	RTS (Devens)	
		Ft. Polk	Ft. McCoy	Camp Shelby	RTS (Drum)	
		Ft. Stewart		Gowen Field	RTS (Dix)	
		Ft. Benning		Ft. Gordon	RTS (Hood)	
				Ft. Pickett	RTS (Atterbury)	
				Ft. Sam Houston		

Block 1 Block 1 to 2 Block 2

Block 2
Review Readiness

	Red	Amber	Green
Acquisition Strategy			Green
Security Accreditation			Green
APB			Green
Army Cost Position			Green
CIO Assessment			Green
C4ISP			Green
JROC approved ORD Mar 03			Green
Test Results	Red		
Program Management Risk			Green
Training			Green
Supportability			Green
Funding – Program Affordable through POM			Green

TC-AIMS II Block 2 OT Critical Mission Functions

ESSENTIAL FAILURE OF CRITICAL MISSION FUNCTION →

Software - Fixed

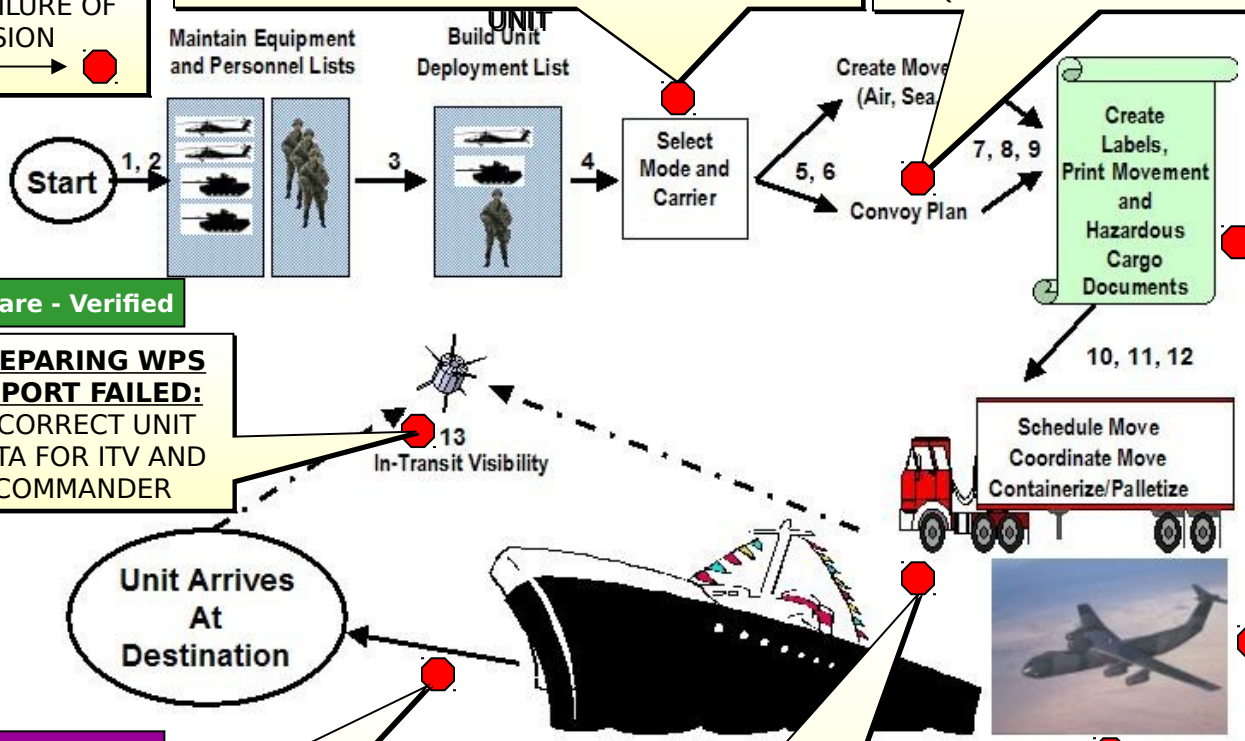
INCORRECTLY CALCULATES VEHICLE/CARGO SIZE/WEIGHT: CANNOT DETERMINE CORRECT QUANTITY AND TYPE OF AIRCRAFT, RAILCARS, AND TRUCKS TO MOVE UNIT

Software - Fixed

CONVOY REPORTS FAILED: STATE APPROVAL FOR CONVOY REQUIRES PROPER DOCUMENTATION

Software - Verified

HAZARDOUS MATERIAL DOCUMENTATION FAILED: FEDERAL AND INTERNATIONAL LAWS REQUIRE PROPER INDENTIFICATION OF HAZARDOUS MATERIAL



Software - Verified

PREPARING WPS EXPORT FAILED: INCORRECT UNIT DATA FOR ITV AND COMMANDER

Software - Fixed

AALPS INTERFACE FAILED: CANNOT COMPLETE FINAL AIRCRAFT LOAD PLAN REQUIRED BY USAF

Software - Fixed

DOES NOT CREATE TIMELY TCMD: PROCESS TO ADD TIME/DATE TO EACH ITEM DELAYS SHIPMENT

Software - Fixed

CBL INACCURATE AND INCOMPLETE: DOES NOT LIST RAILCAR OWNER NEEDED FOR PROPER PAYMENT

Software - Requires Fix

GATES INTERFACE FAILED: INCORRECT MANIFESTS FOR AIR MOVEMENTS AND INACCURATE ITV PROVIDED TO COMMANDERS

TC-AIMS II Affordability as of December 2003 (Army)

(TY$M)

TC-AIMS II Total										
($ Millions)	**Sunk**	**FY04**	**FY05**	**FY06**	**FY07**	**FY08**	**FY09**	**FY05-09**	**ToC**	**Total**
Joint Cost Position	278.9	43.0	46.8	60.4	75.1	66.0	68.0	316.2	555.1	1192.2
Funding (BESPOM0509 BP5.1)	-	43.0	46.8	60.4	75.1	66.0	68.0	316.2	-	-
UFR	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
% Funded		100%	100%	100%	100%	100%	100%	100%		

RDTE										
($ Millions)	**Sunk**	**FY04**	**FY05**	**FY06**	**FY07**	**FY08**	**FY09**	**FY 05-09**	**ToC**	**Total**
Joint Cost Position	43.0	16.0	18.7	18.3	23.1	20.0	23.0	103.0	20.3	182.3
Funding (BESPOM0509 BP5.1)	-	16.0	18.7	18.3	23.1	20.0	23.0	103.0	-	-
UFR	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
% Funded		100%	100%	100%	100%	100%	100%	100%		

OPA										
($ Millions)	**Sunk**	**FY04**	**FY05**	**FY06**	**FY07**	**FY08**	**FY09**	**FY 05-09**	**ToC**	**Total**
Joint Cost Position	87.8	17.5	16.5	30.3	28.3	26.0	25.0	126.1	248.5	479.9
Funding (BESPOM0509 BP5.1)	-	17.5	16.5	30.3	28.3	26.0	25.0	126.1	-	-
UFR	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
% Funded		100%	100%	100%	100%	100%	100%	100%		

OMA										
($ Millions)	**Sunk**	**FY04**	**FY05**	**FY06**	**FY07**	**FY08**	**FY09**	**FY 05-09**	**ToC**	**Total**
Joint Cost Position	148.1	9.5	11.6	11.8	23.7	20.0	20.0	87.1	286.3	530.0
Funding (BESPOM0509 BP5.1)	-	9.5	11.6	11.8	23.7	20.0	20.0	87.1	-	-
UFR	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
% Funded		100%	100%	100%	100%	100%	100%	100%		

Block 1 ADM Taskers

- ☑ Resolve the TC-AIMS II Block 1 TIRs
- ☑ Update TEMP for Block 2
- ☑ Update TC-AIMS II C4ISP
- ☐ Brief FMMP (subsequently BMMP) after completion of AoA
- ☑ Provide extended training to each Army installation as fielding proceeds

Lessons Learned

- Complexity
- Policy/Regulation impacts on 21st century IT systems
- Commercial best practices
- Metrics
- Resolving Joint issues
- Training Soldiers to use complex IT systems
- Help Desk

Recommendations

- Recommend to ASD(NII) that the MS C for Block 2 be delayed pending a follow-on assessment to validate identified software fixes
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- Recommend the AAE sign the ADM input memo

Block 3
MS B

Decisions Requested

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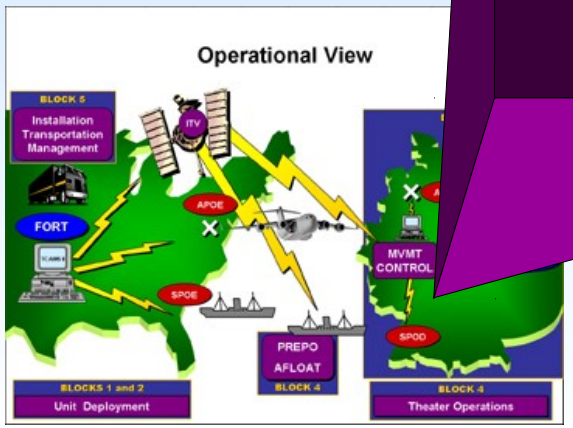
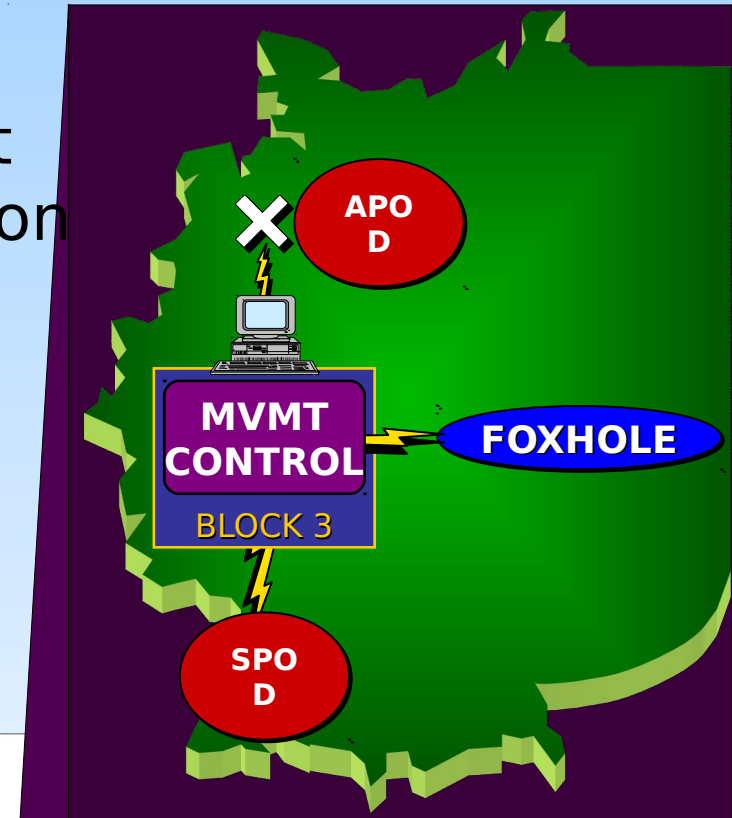
- Recommend the AAE sign the ADM input memo

Statement of Need

- Provides in-theater movement control from Port of Debarkation to tactical assembly area
- Replaces obsolete DAMMS-R
- Completes fort to foxhole ITV
- Requirements validated in Mar 03 ORD
- Supports JFCOM "to-be" joint deployment process





User Recommendation

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Block 3

- No change to architecture
- No change to hardware/BOIP
- No change in system support
- No change to fielding schedule
- No change in training strategy
- Software development
  - Expands enterprise capability
  - Ability to push software changes/updates to the field

Analysis of Alternatives/Business Process Re-engineering

- 6 Aug 02 – ADM directs ADUSD(TP) to conduct post Block 2 AoA
- 4 Nov 02 – ADM directs JFCOM's department-wide deployment BPR be considered in development of TC-AIMS II post Block 2 AoA
- Tasks are not completed, however, JFCOM initial review indicates no BPR impact for TC-AIMS II Block 3
- Block 3 MS B requires acceptance of the original program AoA as valid or program development stops until above tasks are completed

Block 3 Milestone Decision Review Readiness

	Red	Amber	Green
Acquisition Strategy			Green
APB			Green
Army Cost Position			Green
CIO Assessment			Green
C4ISP			Green
JROC approved ORD Mar 03			Green
Program Management Risk			Green
Funding – Program Affordable through POM			Green

Recommendation

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ADM Input

- Delegate USMC decision
  - Based on USMC acceptance
  - Allow rapid response to USMC needs
- Re-designate TC-AIMS II ACAT IAC
  - Single program with multiple users
  - Reduces decision cycle time
  - Program stability does not require OSD oversight
- Direct Services to fulfill their Manpower commitment
  - Ensure Service's business processes and requirements are met
  - Service's personnel shortfalls require additional contract support at additional EA cost
- Grant authorization for prototype sites
  - Requirements definition
  - Early operational assessment

Recommendation

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